

MVRTAVLILLVRFSEPKHKLEQLRNSGAAEEEEYMPMEMNNTSSNNSLALTSPYKT
 FEVVFIVVAGSLSLVTIIGNILVMVSIKVRHLQTVNNYFLFSLACADLIIGVFSMNLTYLTYV
 IGYWPLGPVVCDLWLALDYVVSNASVMNLLIIISFDRYFCVTKPLTYPVKRTTKMAGMMIAAAWVL
 SFILWAPAILFWQFIVGVRTVEDGECYIQFFSNAAVTFGTAIAAFYLPVIMTVLYWHISRASKS
 RIKKDKKEPVANQDPVSPSLVQGRIVKPNNNMPSSDDGLEHNKIRDPVTENCVQGEKESSNDS
 TSVSAVASNMRDDEITQDENTVSTSLGHSKDENSQKTCIRIGTKTPKSDSCTPTNTTVEVVGSSG
 QNGDEKQNI VARKIVKMTKQPAKKKPPPSREKKVTRTILAILLAFIITWAPYNVMVLINTFCAPC
 IENTVWTIGYWL CYINSTINPACYALGNATFKTKHLLMCHYKNIGATR (SEQ ID NO:19)

FIG. 1

MKFLVNVALVFMVVYISYIADYKDDDDKMGQPGNGSAFLAPNRSHAPDHDVTQQRDEV
 WVGGMGIVMSLIVLAIVFGNVLVITAIAKFERLQVTNTNYFITSLACADLVNGLAVVPFGAAHILM
 KMWTFGNFWCEFTSIDVLCVTASIEETLCVIAVDRYFAITSPFKYQSLLTKNKARVILMVWIVS
 GLTSFLPIQMHWYRATHQEA INCYANETCCDFFTNQAYAIASSIVSFYVPLVIMVFVYSRVFQEA
 KRQLQKIDKSEGRFHVQNLSQVEQDGRGTGHGLRRSSKFLKEHKALKTLGIIMGFTTLCWLPPFI
 VNIVHVIQDNLIRKEVYILLNWIGYVNSGFNPLIYCRSPDFRIAFQELLCLRRSSLKAYGNGYSS
 NGNTGEQSGYHVEQEKENLLCEDLPGTEDFVGHQGTVPDNIQSQRNCSTNDSLLEEEYMPM
 E (SEQ ID NO:20)

FIG. 2

MKTIIALSYIFCLVFAMAILPAAETWIDGGGVGADAVNLTASLAAGAATGAVETGLWLQ
LDQAGNLSSPSALGLPVRSPAPSQPWANLTNQFVQPSWRIALWSLAYGVVAVLGNLIVIW
I LAHKRMRTVTNVLVNLAFSDASMAAFNTLVNFIYALHSEWYFGANYCRFQNFPPITAVFASIY
SMTAIAVDRYMAIIDPLKPRLSATATKIVIGSIWILAFLLAPPQCLYSKTKVMPGRTLCLCFVQWPE
GPKQHFTYHIIIVILVYCFPLLIMGITYTIVGITLWGGEIPGDTCDKYHEQLKAKRKVVKMNIIV
VMTEAICWLPYHIYFILTAYQQLNRWKYIQQVYLASFWMSSMTYNPIIYCCLNKRFRAGFKR
AFRCPFYIKVSSYDELELKTTRFHPNRQSSMYTVTRMESMTVVFDPNDADTTRSSRKKRATPRDP
SFNGCSRRNSKSASATSSFISSPYTSVDEYSQPELAPEDPEDAAKHKLEQLRNSG (SEQ ID

NO: 21)

FIG. 3

MKFLVNVALVFMVVYISYIYADYKDDDDKMNTSAPPAVSPNITVLAPGKGPWQVAFIGIT
TGLLSLATVTGNLLVLSFKVNTLKTVNNYFLLSLACADLIIGTFSMNLYTTYLLMGHWALGTL
ACDLWLALDYVASNASVMNLLLSIFDRYFSVTRPLSYRAKRTPRRAALMIGLAWLVSVFLWAPAI
LFWQYLVGERTVLAGQCYIQFLSQPIITFGTAMAAFYLPVTVMCTLYWRIYRETENRARELAALQ
GSETPGKGGSSSSERSQGAEGSPETPGRCRCCRAPRLLQAYSWKEEEEDEGSMESLTSS
EGEPPGSEVVIKMPMVDPEAQPTKQPPRSSPNTVKRPTKKGRDRAGKGQKPRGKEQLAKRKTFSS
LVKEKKAARTLSAILLAFILTWTPYNIMVLVSTFCKDCVPETLWELGYWLCYVNSTINPMCYALC
NKAFRDTRFRLLLCRWDRWRWKIPKRPGSVHRTPSRQCEEEYMPME (SEQ ID NO:22)

FIG. 4

MKTIIALSIFCLVFAMTLHSNSTTSPLFPNIISSWVHSPSEAGLPLGTVTQLGSYNISQ
 ETGNFSSNDTSSDPLGGHTIWQVVFIAFLTGFLALVTIIIGNILVIVAFKVNKQLKTVNNYFLLSL
 ACADLIIGVISMNLFTTYIIMNRWALGNLACDLWLSIDYVASNASVMNLLVISFDRYFSITRPLT
 YRAKRTTKRRGVMIGLAWVISFVLWAPAILFWQYFVGKRTVPPGECFIQFLSEPTITFGTAIAAF
 YMPVTIMTILYMRIYKETEKRTKELAGLQASGTEAAENFVHPTGSSRSSCSSYELQQQGVKRSSR
 RKYGRCHFWEFTTKSWKPSAEQMDQDHSSSDSWNNNDAAASLENSASSDEEDIGSETRAIYSIVLK
 LPHSSILNSTKLPSDDNLQVSNEDLGTVDVERNAHKLQAQSMGDGDCQKDFTKLPIQLESAY
 DTGKTSDTNSSADKTTATLPLSFKEATLAKRFALKTRSQITKRKRMSLIKEKKAQTLSAILLAF
 IITWTPYNIMVLVNTFCDSIPKTYWNLGYWLCYINSTVNPVCYALCNKTFRTTFKTLILLCQCDK
 RKKRKQYQQRQSVIFHKRVPEALQPELAPEDEDAHHHHHHHHH (SEQ ID NO:23)

FIG. 5

SEC CHROMATOGRAMS

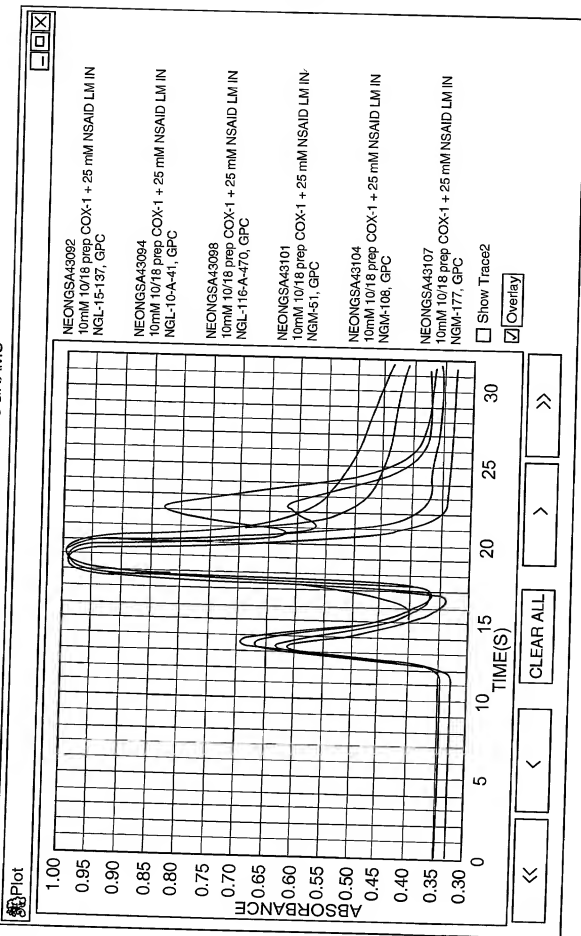


FIG. 6

COX-1 ALIS with Test Libraries

NSAID LIGAND MIX RECOVERY, COX-1 METHODS DEVELOPMENT 10-19-00

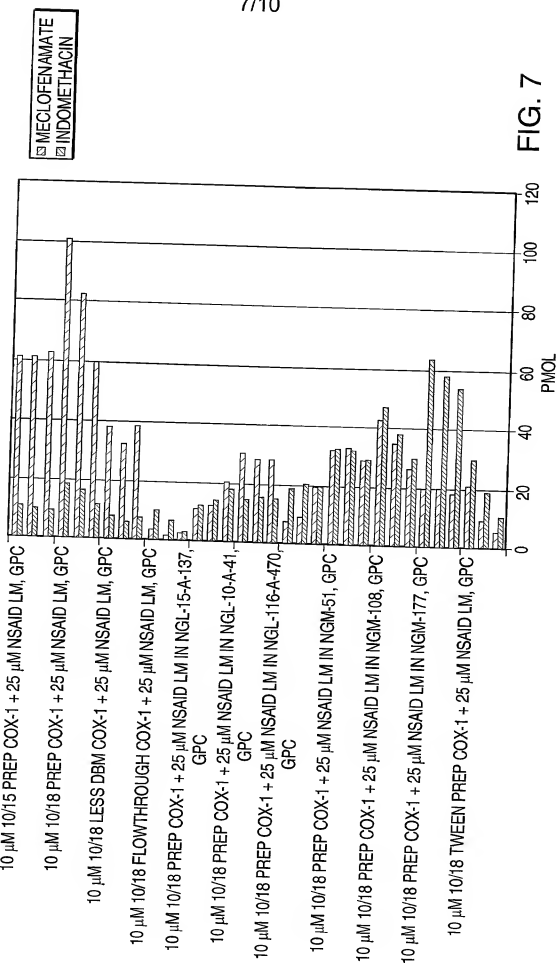


FIG. 7

Example COX-1 Ligand Identified by ALIS

NGL-177-A-1128-A-2 $C_{31}H_{31}N_3O_5$

MW = 525.6

MASS = 525.23

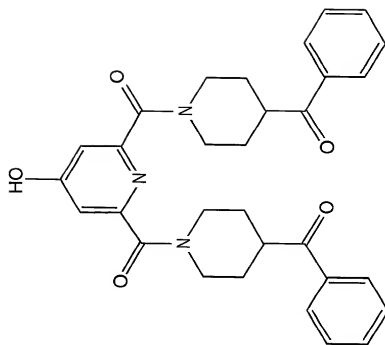


FIG. 8

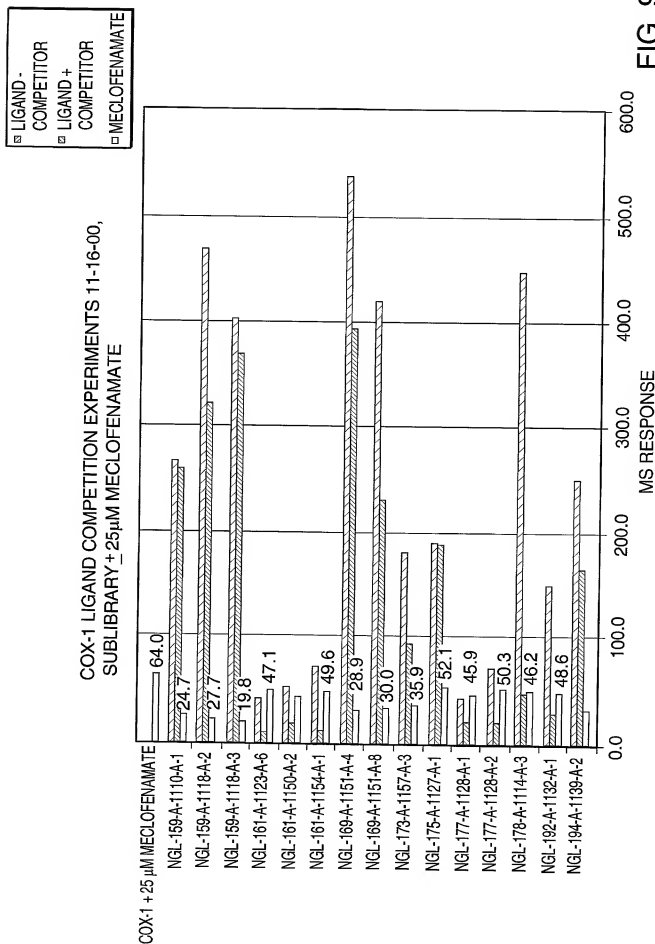


FIG. 9

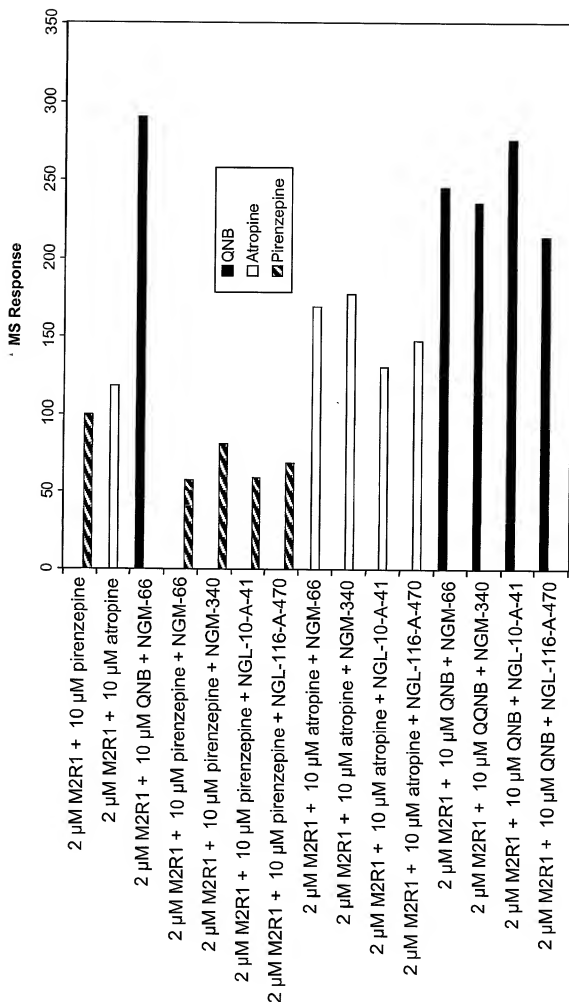


FIG. 10